Paper Reference(s) 1CH0/2F
Pearson Edexcel Level 1/Level 2 GCSE (9–1)

Chemistry
PAPER 2:
Foundation Tier

Diagram Booklet

In the boxes below, write your name, centre number and candidate number.

Surname						
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Centre Number						
Candidate Number						

Y69486A

Pearson

INSTRUCTIONS

There may be spare copies of some diagrams in case you need them.

THIS DIAGRAM BOOKLET MUST BE RETURNED WITH THE QUESTION PAPER AT THE END OF THE EXAMINATION.

Contents

Question 1(d)

FIGURE 1

substance	percentage composition
abrasives	35%
water	
other substances	25%

Question 2(a)

FIGURE 2

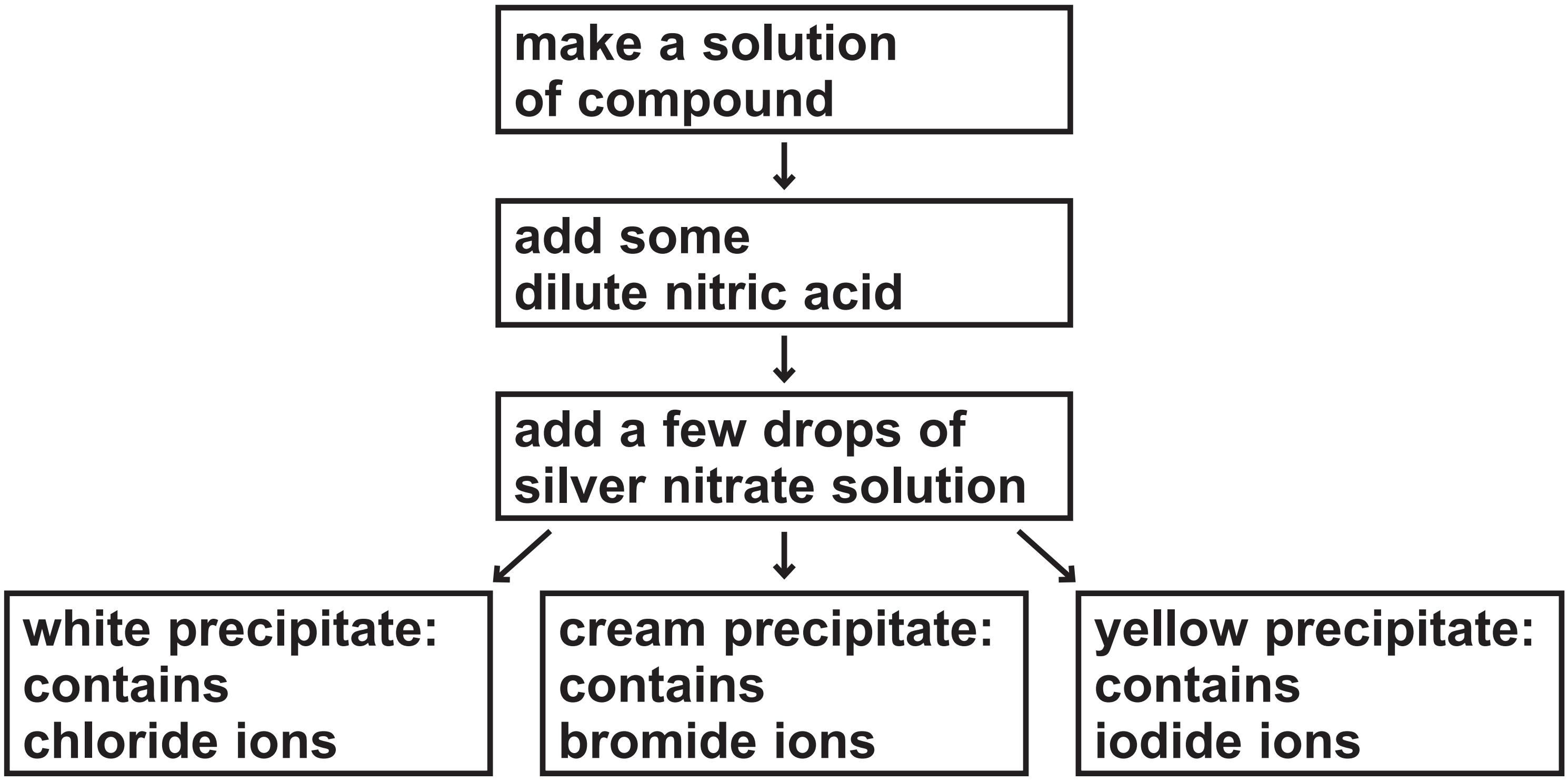
symbol	melting point in °C
Li	181
Na	98
K	64

Question 2(b)

FIGURE 3

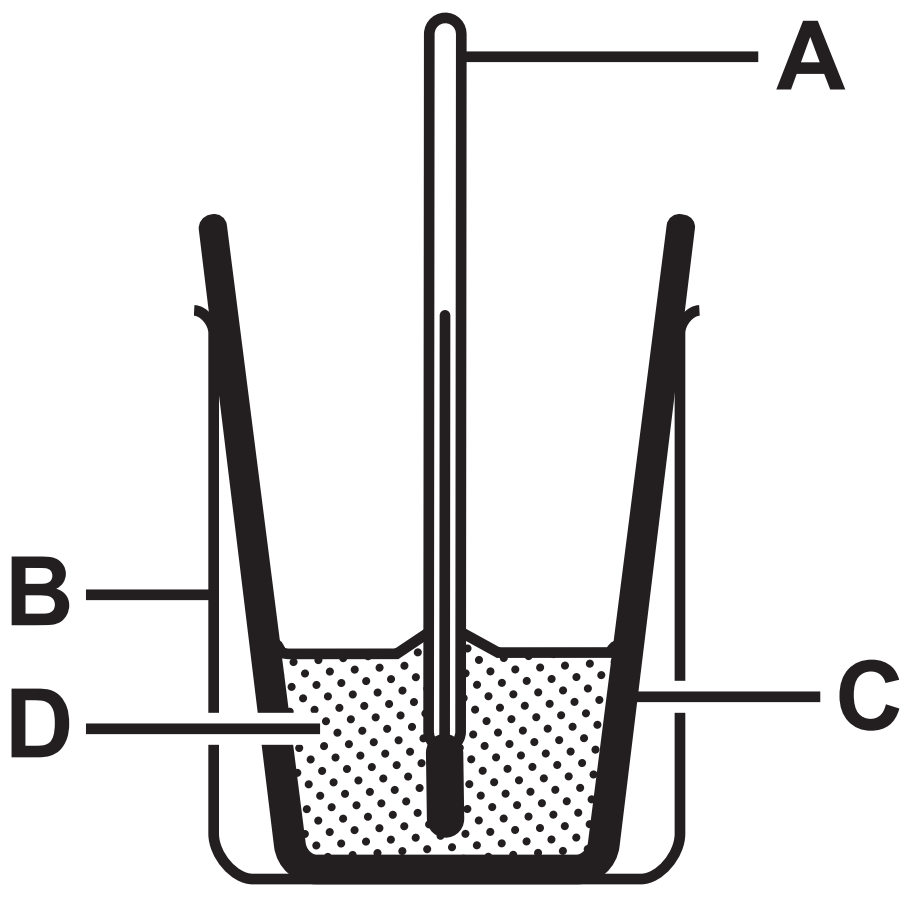
Question 3

FIGURE 4



Question 4(b)

FIGURE 5



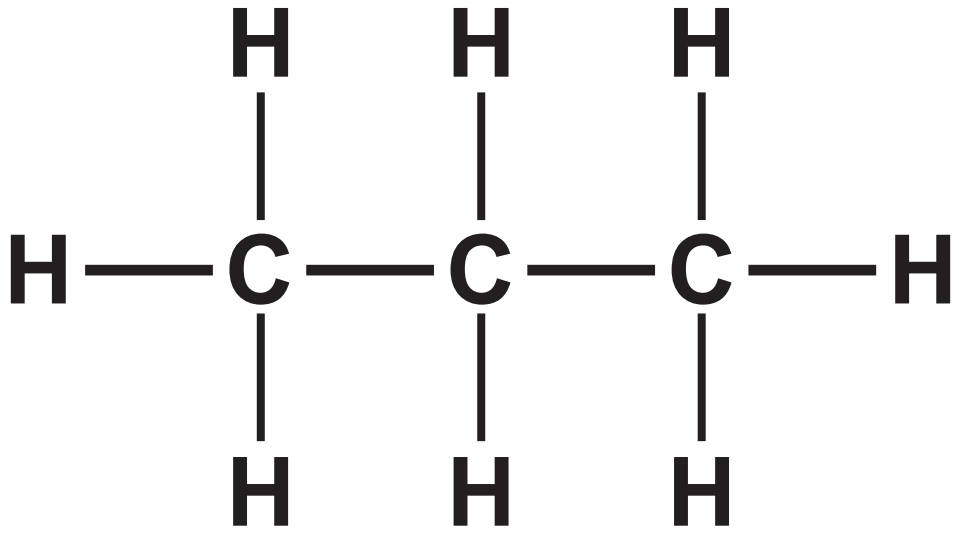
Question 4(b)(iv)

FIGURE 6

temperature of liquid at start in °C	18·6
temperature of products at end in °C	16·1

Question 5(a)

FIGURE 7



Question 5(b)

fraction	use
petrol	fuel for aircraft
	fuel for ships
	fuel for cars
kerosene	
	making plastic
bitumen	extracting iron
	making road surfaces

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Question 6(b)

FIGURE 8

halogen	description of reaction with heated iron wool
bromine	reacts quickly
chlorine	reacts very quickly
iodine	reacts slowly

Question 6(c)

an acid

a catalyst

higher

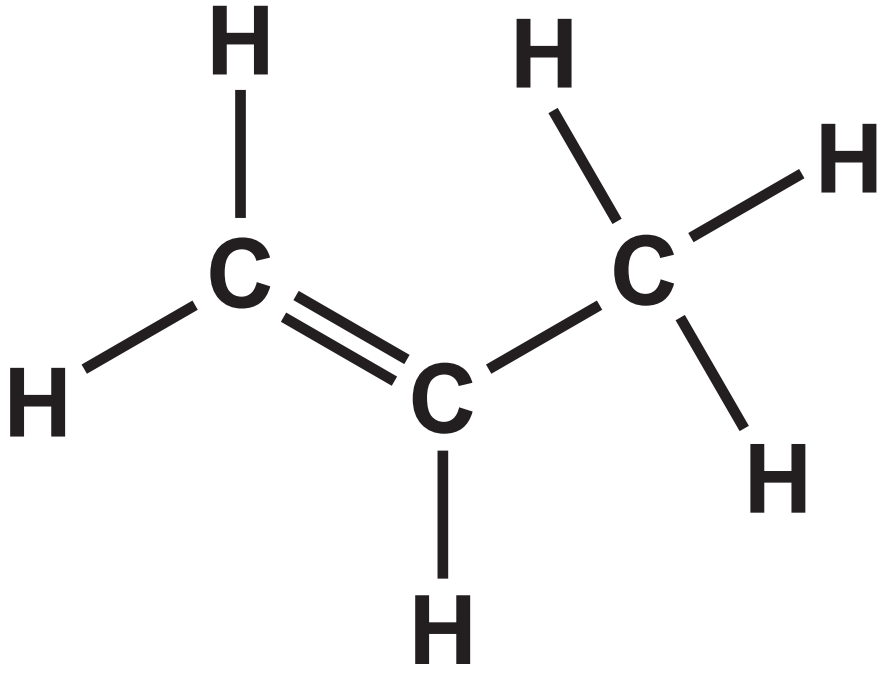
lower

a reactant

unchanged

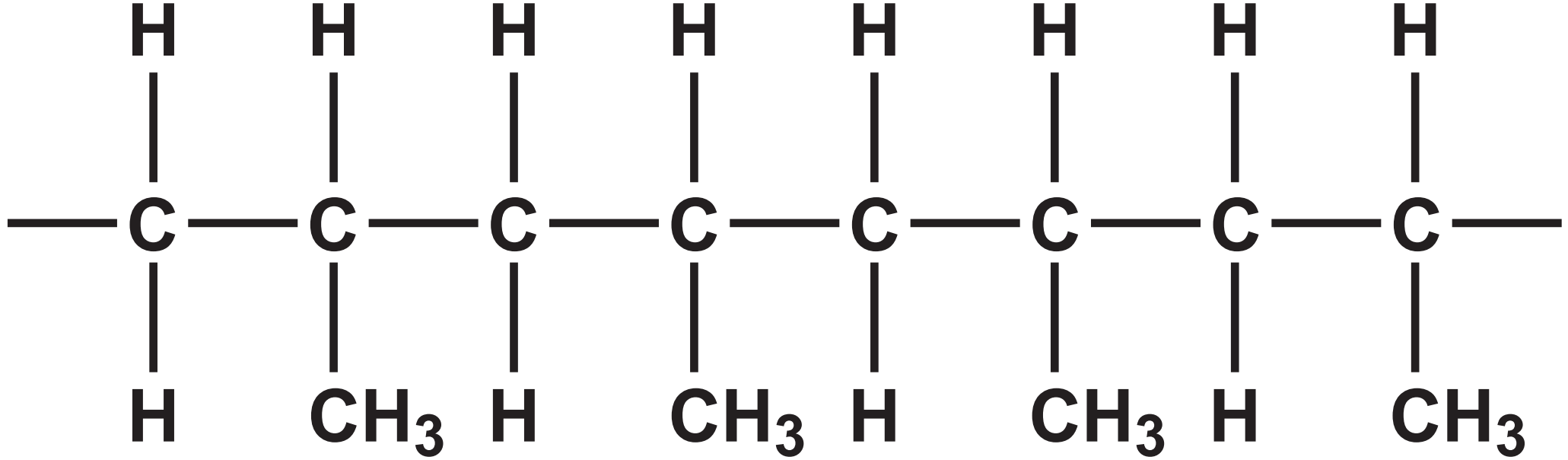
Question 7

FIGURE 9



Question 7(c)

FIGURE 10



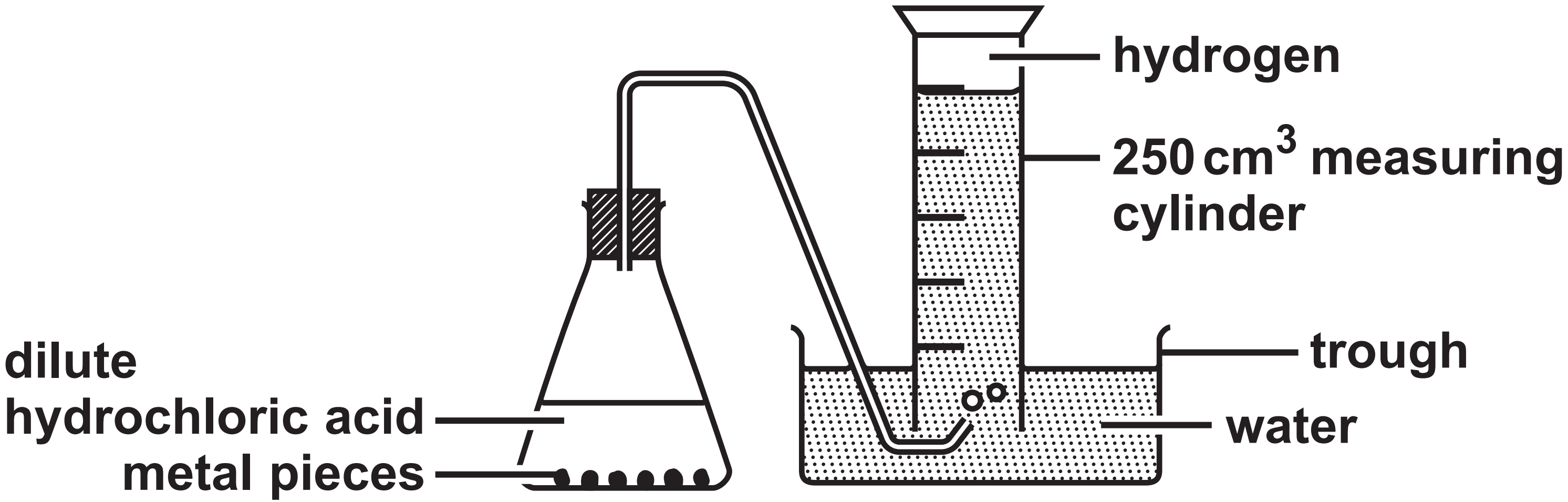
Question 7(d)

FIGURE 11

alkane	temperature change in °C
methane	9
ethane	16
propane	22
butane	29

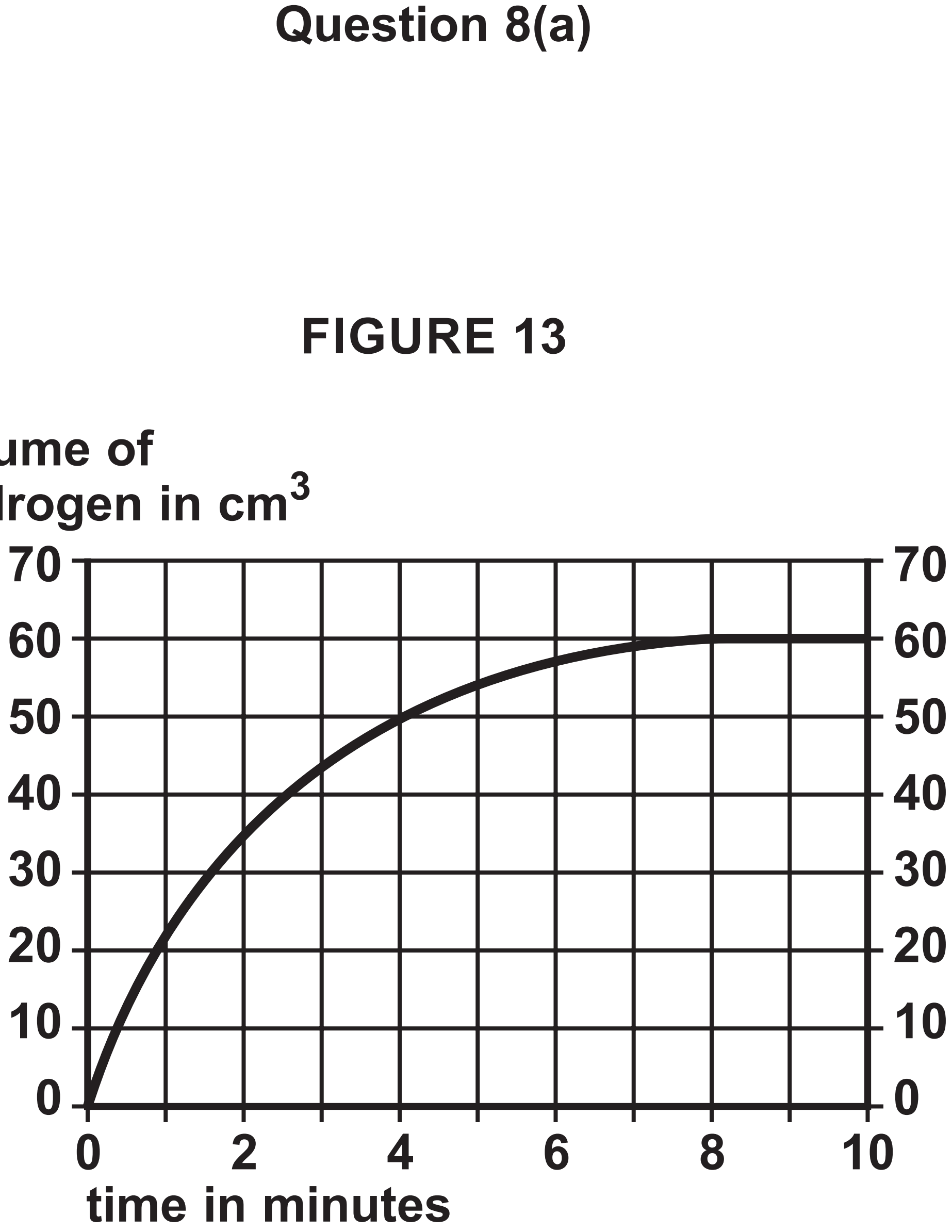
Question 8

FIGURE 12



Question 8(a)

FIGURE 13



Question 9(d)

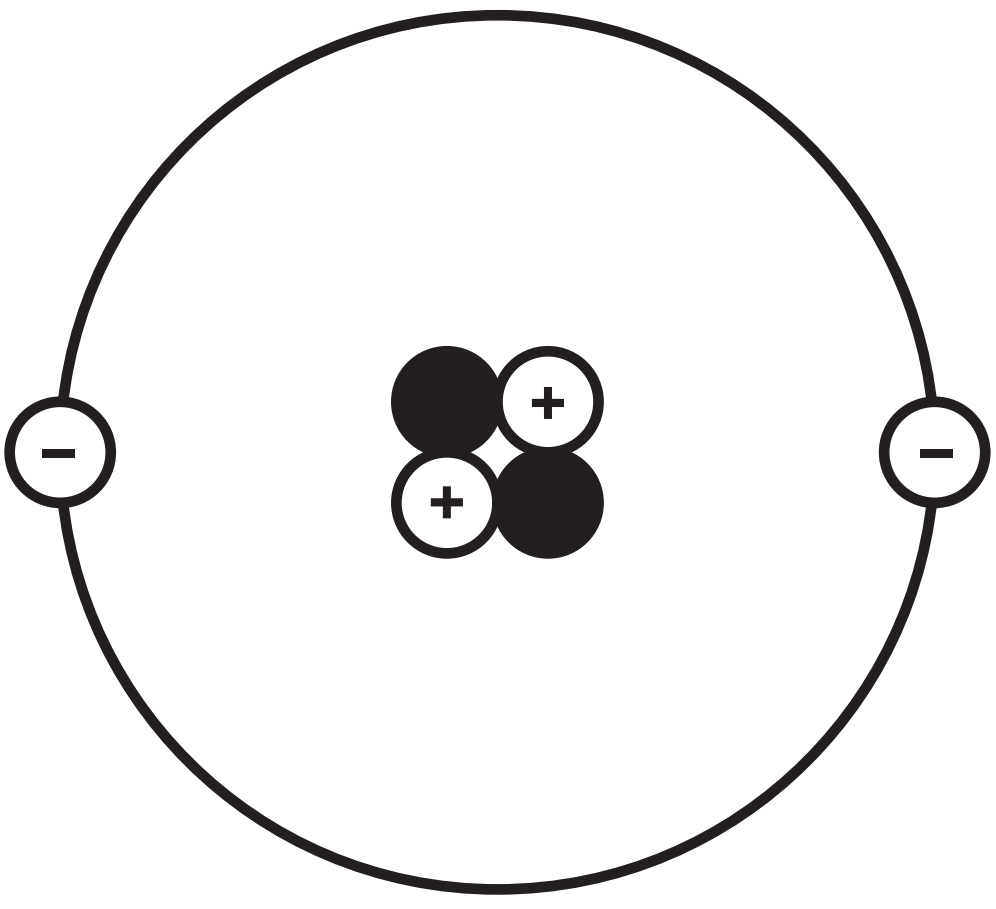
FIGURE 14

Key

⊖ = electron

● = neutron

⊕ = proton



Question 9(e)

FIGURE 15

gas	relative amount in early atmosphere	composition of today's atmosphere
water vapour	large amount	0% to 4%
carbon dioxide	large amount	less than 0·5%
oxygen	little or none	21%

Question 10(a)

FIGURE 16

Question 10(b)(ii)

FIGURE 17

compound	flame colour
P	red
Q	lilac
R	blue-green